



August 10, 2009

Mr. Joseph Sopata  
Chemist  
USEPA/OAR/OTAQ/TRPD/FPSG  
1200 Pennsylvania Avenue NW 6306J  
Washington, DC 20460

**VIA ELECTRONIC DELIVERY**

**Re: Proposed continuation of the Alternative Tier 2 reporting procedure to include development of the Mn PBPK models for humans**

Dear Mr. Sopata:

The Environmental Protection Agency's May 11, 2000 letter notified Afton of the testing requirements of the MMT Alternative Tier 2 program. Attachment A of the notification letter described the reporting requirements that included submission of draft reports along with the Technical Advisory Panel's comments. The reporting procedure also included an EPA review of draft reports, an opportunity to address any EPA comments, and resubmission of revised reports that took into account issues identified in the Agency's review. This reporting procedure has many advantages, and Afton proposes to extend it to development of physiologically-based pharmacokinetic (PBPK) models that describe Mn kinetics in humans.

Per the notification letter's requirements: PBPK models for Mn based on animal data collected in the rodent and non-human primate were developed. These animal models were reported to EPA along with the TAP comments. After review and revision, the models were accepted by the Agency without the need for additional revision. These animal models were then discussed in detail at a final TAP meeting on January 29, 2009 that was held at the Hamner Institutes for Health Sciences in Research Triangle Park. With EPA scientists in attendance, this meeting was a productive way to complete review of the PBPK animal models developed as a part of the test program required in the Alternative Tier 2 notification letter.

At the January TAP meeting, Dr. Harvey Clewell provided an overview of activities aimed at adapting the animal PBPK models to account for Mn kinetics in humans. Human PBPK models would be the most useful for a human health risk assessment of Mn, and therefore, as a logical extension of the Alternative Tier 2 program, Afton undertook development of these models. Work to develop the human models is



still underway, but it has sufficiently progressed to a point where it's appropriate to consider how these models are communicated. The Alternative Tier 2 reporting procedure ensured transparency, allowed EPA to remain informed of results, and provided peer-review. Given the success of this procedure, extending it to cover developing the human PBPK models seems a wise choice.

Two models describing Mn kinetics in humans are currently being developed. A model for human adults is underway, and when finished a component accounting for Mn kinetics during gestation and lactation will be integrated into the human adult model. As under the Alternative Tier 2 procedure, the TAP consisting of Drs. Daniel Krewski, Jeffery Fisher, and Michelle Medinsky will review these models. When these models are complete later this year, Afton would be pleased to submit the TAP comments, and the draft models for EPA's review and input. Further, as has been the practice, these models will be submitted to peer-reviewed journals for publication. We invite EPA's participation, knowing that this established reporting process ensures quality and transparency of the program.

Sincerely,

A handwritten signature in black ink that reads 'Jerry M. Roper'.

Jerry M. Roper, Ph.D.  
Director, Environmental Science

**Davis, Stephanie I. (CDC/ONDIEH/NCEH)**

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**From:** Sopata.Joe@epamail.epa.gov  
**Sent:** Monday, August 23, 2010 7:26 AM  
**To:** Davis, Stephanie I. (ATSDR/DHS/HIBR)  
**Subject:** Re: MMT Updates

Dear Ms. Davis,

Thank you for your email note.

MMT is a legal gasoline additive in the U.S at a concentration of 1/32 gram per gallon (8 mg/l) manganese. The Clean Air Act prohibits its use in reformulated gasoline which currently includes about 30 percent of U.S. gasoline. The state of California does not allow it in gasoline.

Presently, MMT is used very little in the U.S., less than 0.5% of the U.S. gasoline pool.

We required the Ethyl Corporation, now known as Afton Chemical Corporation (Afton) to complete studies on MMT. Afton has completed these studies and we have accepted the studies as sufficient. This has nothing to do with whether the Agency has changed its view of the risk associated with Mn from use of MMT. It only means the studies we asked for were completed and accepted by the Agency as sufficiently performed.

Afton will soon be submitting "non-required" Mn human PBPK models based on the required studies. Once we receive that information, we will, over the next year or two be potentially re-evaluating our risk conclusion which is as follows:

After completing a 1994 risk evaluation on the use of MMT in gasoline, EPA was unable, based on the available data, to determine if there is a risk to the public health from exposure to emissions of MMT gasoline. The Agency stated "Although it is not possible based on the present information to conclude whether specific adverse health effects will be associated with manganese exposures in the vicinity of or exceeding the [estimated safe level over a lifetime of exposure], neither is it possible to conclude that adverse health effects will not be associated with such exposures." This assessment was based upon the level of MMT allowed in U.S. gasoline.

The EPA view on this and other MMT issues can be found at:  
[http://www.epa.gov/otaq/regs/fuels/additive/mmt\\_cmts.htm](http://www.epa.gov/otaq/regs/fuels/additive/mmt_cmts.htm)

Please note that the website link above contains information on how to gain access to the studies that Afton was required to complete.

Please feel free to contact me if you have any further questions.

Best Regards,  
 Joe Sopata  
 Chemist  
 USEPA/OAR/OTAQ/TRPD/FPSG  
 1200 Pennsylvania Ave., N.W., 6406J  
 Washington, D.C. 20460  
 Ph# 202-343-9034

From: "Davis, Stephanie I. (ATSDR/DHS/HIBR)" <[sgd8@cdc.gov](mailto:sgd8@cdc.gov)>



**Fw: EPA Mobile Xact Drop Off in Ohio - they made it!**

**Motria Caudill** to: Marta Fuoco, Jaime Wagner, Loretta Lehrman,  
Jesse McGrath

07/26/2011 08:53 AM

Cc: MaryPat Tyson, Carlton Nash, Michelle Colledge

This message is digitally signed.

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History: This message has been replied to.

Great news! The Cooper Xact trailer made it to Columbus. The modified plan is now to train NEDO and SEDO staff at OEPA-HQ on Aug. 9-10, then deploy to East Liverpool and start monitoring on the 12th.

----- Forwarded by Motria Caudill/R5/USEPA/US on 07/26/2011 08:50 PM -----

From: Mike Jones/RTP/USEPA/US  
To: Motria Caudill/R5/USEPA/US@EPA  
Date: 07/25/2011 11:00 AM  
Subject: Fw: EPA Mobile Xact Drop Off in Ohio

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:-D

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Michael N. Jones  
National Air Toxics Ambient Monitoring Program  
Office of Air Quality Planning and Standards  
US Environmental Protection Agency  
Voice: (919) 541-0528  
Fax: (919) 685-3260  
jones.mike@epa.gov

----- Forwarded by Mike Jones/RTP/USEPA/US on 07/25/2011 12:00 PM -----

From: Mike Jones/RTP/USEPA/US  
To: "Rath, Mike" <Mike.Rath@epa.state.oh.us>  
Cc: Aaron Siemers <AaronS@cooperenvironmental.com>, "Princic, Bob" <bob.princic@epa.state.oh.us>, "Robinson, Brenda" <brenda.robinson@epa.state.oh.us>, "Machuga, Darren" <Darren.Machuga@epa.state.oh.us>, "Fasko, Ed" <Ed.Fasko@epa.state.oh.us>, "Hock, Randy" <Randy.Hock@epa.state.oh.us>  
Date: 07/25/2011 11:59 AM  
Subject: RE: EPA Mobile Xact Drop Off in Ohio

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Best news I've had all day... thanks!

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Michael N. Jones  
National Air Toxics Ambient Monitoring Program  
Office of Air Quality Planning and Standards  
US Environmental Protection Agency  
Voice: (919) 541-0528  
Fax: (919) 685-3260  
jones.mike@epa.gov

"Rath, Mike"	Hello All, We just wanted to let you know that th...	07/25/2011 11:47:37 AM
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From: "Rath, Mike" <Mike.Rath@epa.state.oh.us>  
To: Aaron Siemers <AaronS@cooperenvironmental.com>, "Princic, Bob" <bob.princic@epa.state.oh.us>, "Robinson, Brenda" <brenda.robinson@epa.state.oh.us>, Mike Jones/RTP/USEPA/US@EPA, "Hock, Randy" <Randy.Hock@epa.state.oh.us>, "Fasko, Ed" <Ed.Fasko@epa.state.oh.us>, "Machuga, Darren" <Darren.Machuga@epa.state.oh.us>  
Date: 07/25/2011 11:47 AM  
Subject: RE: EPA Mobile Xact Drop Off in Ohio

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Hello All,

We just wanted to let you know that the Xact trailer has been safely transported to the Air Lab . We've parked it in our warehouse, and we should be able to leave it place until the training is completed.

Thanks,

Mike Rath  
Ohio EPA, DAPC – Air Lab  
614-836-8790

**From:** Princic, Bob  
**Sent:** Friday, July 22, 2011 15:43 PM  
**To:** Aaron Siemers; Rath, Mike; jim.prettyman@epa.state.oh.us  
**Cc:** Robinson, Brenda; Machuga, Darren; Fasko, Ed  
**Subject:** RE: EPA Mobile Xact Drop Off in Ohio

Thank you, Aaron, for the update.

**From:** Aaron Siemers [mailto:AaronS@cooperenvironmental.com]  
**Sent:** Friday, July 22, 2011 1:05 PM  
**To:** Rath, Mike; jim.prettyman@epa.state.oh.us; Princic, Bob  
**Subject:** FW: EPA Mobile Xact Drop Off in Ohio

I didn't get your Ohio EPA emails correct the first time, but please review email to EPA's Mike Jones below concerning the Xact drop-off.

Thanks –

Aaron

**From:** Aaron Siemers [mailto:AaronS@cooperenvironmental.com]  
**Sent:** Friday, July 22, 2011 9:52 AM  
**To:** 'Mike Jones'  
**Cc:** 'mike.rath@epa.ohio.gov'; 'jim.prettyman@epa.ohio.gov'; Troy Pittenger (troypp@cooperenvironmental.com); 'john cooper'; 'bob.princic@epa.ohio.gov'  
**Subject:** RE: EPA Mobile Xact Drop Off in Ohio

Mike,

I was able to contact Mike Rath at the Groveport Ohio EPA office and establish a new drop off

point near their offices scheduled for **Monday** morning the 25<sup>th</sup> around **10:00 am**.

Due to the wide wheel base of the Xact Mobile trailer and the set -up of the ramps on the flatbed carrier truck, we have contracted with a fork lift service about 7 miles from the Groveport Ohio EPA office to safely unload the Xact trailer .

The drop off location of the Xact Mobile Trailer will be at :

**Harr's Fork Lift Services**

1181 Refugee Road, Columbus OH 43207

(truck entrance off of Lockbourne)

(614) 443-4651

Primary Contact: Carlis Harr

Secondary Contact: Mike Moore

**Our Driver's Contact Info:**

Ford – Jones Motors

Cell # (606) 521-0211

Mike Rath has agreed to pick up the Xact trailer from this location and drive it to the Groveport Ohio EPA offices.

Keys: We had already mailed the Xact Keys to the office in Twinsburg . I have contacted Bob Princic at that office, and he has agreed to overnight the Xact keys to Mike Rath so they will be available to him first thing Monday morning .

Feel free to call me at (503) 583-6921 if you have any questions.

Thanks,

Aaron C. Siemers

Environmental Scientist

Cooper Environmental Services

10180 SW Nimbus Ave., Suite J6

Portland, OR 97223

[aarons@cooperenvironmental.com](mailto:aarons@cooperenvironmental.com)

(503) 624-5680



**From:** Mike Jones [mailto:Jones.Mike@epamail.epa.gov]  
**Sent:** Friday, July 22, 2011 7:39 AM  
**To:** AaronS@cooperenvironmental.com  
**Cc:** kateg@cooperenvironmental.com; troyp@cooperenvironmental.com  
**Subject:** Re: EPA Mobile Xact Drop Off  
**Importance:** High

Aaron... if possible, it would be greatly helpful if we can change the final destination to the following:

OH EPA Field Office  
4675 Homer Ohio Lane  
Groveport, OH 43215

It is on the South East side of Columbus.

The contact people will be:

Mike Rath - 614-836-8790  
Jim Prettyman - 614-836-8791  
Thang Vu - 614-836-8789

Two more contacts just in case:

Phil Downey - 614-644-3624  
Randy Hock - 614-644-3619

Please let me know if this can happen... again it would be greatly helpful as that's now where we're doing the training. My apology for the late change request.

Tx! Mike

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Michael N. Jones  
National Air Toxics Ambient Monitoring Program  
Office of Air Quality Planning and Standards  
US Environmental Protection Agency  
Voice: (919) 541-0528  
Fax: (919) 685-3260  
[jones.mike@epa.gov](mailto:jones.mike@epa.gov)

-----"Aaron Siemers" <[AaronS@cooperenvironmental.com](mailto:AaronS@cooperenvironmental.com)> wrote: -----  
To: Mike Jones/RTP/USEPA/US@EPA  
From: "Aaron Siemers" <[AaronS@cooperenvironmental.com](mailto:AaronS@cooperenvironmental.com)>

Date: 07/21/2011 04:15PM

Cc: <[kateg@cooperenvironmental.com](mailto:kateg@cooperenvironmental.com)>, "Troy Pittenger" <[troy@cooperenvironmental.com](mailto:troy@cooperenvironmental.com)>

Subject: EPA Mobile Xact Drop Off

Dear Mike,

There seems to be some confusion over the drop off location for EPA's Xact Mobile Trailer. The trailer is currently on its way to Ohio so we need to resolve this as soon as possible.

Our information gives Darren Machuga and the Ohio EPA office in Twinsburg at the location where we will transfer the Xact to Ohio EPA.

Delivery:

Ohio EPA  
Division of Air Pollution Control  
Northeast District Office  
210 E Aurora Rd  
Twinsburg OH 44087

Contact: Darren Machuga  
330-963-1287

If this is not correct, please let me know and send along the correct contact info and address.


Thanks,

Aaron C. Siemers  
Environmental Specialist  
Cooper Environmental Services  
10180 SW Nimbus Ave., Suite J6  
Portland, OR 97223  
[aarons@cooperenvironmental.com](mailto:aarons@cooperenvironmental.com)  
(503) 624-5680

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Re: Mn-air Marietta: respirable or total particulate   
Michelle Colledge to: Steve Machemer

08/15/2011 07:20 AM

There are only 6 months of the PM analyzed from 2009. This is what they have speciated so far.



39\_029\_0020 Wtr Plt PM10 2009\_2010.xls

Michelle A. Colledge MPH, PhD  
CDR, U.S. Public Health Service  
Agency for Toxic Substances and Disease Registry/NCEH/CDC, Region 5  
77 W. Jackson Blvd., Room 413  
Mailstop ATSD-4J  
Chicago, Illinois 60604  
Tel: 312-886-1462  
Fax: 312-886-6066

Steve Machemer

Hi Michelle, I haven't forgotten. I have run into s...

08/13/2011 02:15:14 PM

From: Steve Machemer/NEIC/USEPA/US  
To: Michelle Colledge/R5/USEPA/US@EPA  
Date: 08/13/2011 02:15 PM  
Subject: Re: Mn-air Marietta: respirable or total particulate


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Hi Michelle,

I haven't forgotten. I have run into some resistance on our end about sending the Marietta SEM data, but have not had time to push the matter yet due to getting the Pilsen report into review and other crises. Also, have you found out if there are Mn data associated with the PM 10 filters they collected at schools in Marietta? The ones I was supposed to look at under the SEM? I will be out next week, but I hope to pursue this more upon returning.

Sorry for the delays,  
Steve



**Re: Mn-air Marietta: respirable or total particulate**   
**Steve Machemer** to: Michelle Colledge

08/13/2011 02:15 PM

History:

This message has been replied to.

Hi Michelle,

I haven't forgotten. I have run into some resistance on our end about sending the Marietta SEM data, but have not had time to push the matter yet due to getting the Pilsen report into review and other crises. Also, have you found out if there are Mn data associated with the PM 10 filters they collected at schools in Marietta? The ones I was supposed to look at under the SEM? I will be out next week, but I hope to pursue this more upon returning.

Sorry for the delays,  
Steve



**Re: Fw: ATSDR report**  
**George Bollweg** to: Michelle Colledge  
 Cc: Conrad Chin

08/18/2011 11:46 AM

Thanks Michelle. As you say, the June 24, 2010 Marietta-Mt. Vernon study public meeting two-pager (at the website you cite) does report no differences between tested adults in the towns for blood Hg. Maybe this is the basis for the Eramet assertion?

Michelle Colledge I did a search on our website for "mercury" and "..." 08/18/2011 11:18:26 AM

From: Michelle Colledge/R5/USEPA/US  
 To: George Bollweg/R5/USEPA/US@EPA  
 Date: 08/18/2011 11:18 AM  
 Subject: Re: Fw: ATSDR report

I did a search on our website for "mercury" and "Eramet" and found nothing. I did, however, find this:  
<http://www.epa.gov/reg5oair/news/manganesestudymtg.pdf>

Maybe they are confusing the issue? Both of our agencies are mentioned on this fact sheet.

Michelle A. Colledge MPH, PhD  
 CDR, U.S. Public Health Service  
 Agency for Toxic Substances and Disease Registry/NCEH/CDC, Region 5  
 77 W. Jackson Blvd., Room 413  
 Mailstop ATSD-4J  
 Chicago, Illinois 60604  
 Tel: 312-886-1462  
 Fax: 312-886-6066

George Bollweg Does this ring any bells? I didn't think ATSDR's... 08/18/2011 10:40:24 AM

From: George Bollweg/R5/USEPA/US  
 To: Colledge.Michelle@epamail.epa.gov  
 Date: 08/18/2011 10:40 AM  
 Subject: Fw: ATSDR report

Does this ring any bells? I didn't think ATSDR's Marietta health consultations (if that's what's being alluded to) addressed Hg.

----- Forwarded by George Bollweg/R5/USEPA/US on 08/18/2011 10:38 AM -----

From: Conrad Chin/RTP/USEPA/US  
 To: Jaime Wagner/R5/USEPA/US@EPA, George Bollweg/R5/USEPA/US@EPA, Rae Trine/R5/USEPA/US@EPA, Margaret Sieffert/R5/USEPA/US@EPA  
 Cc: Chuck French/RTP/USEPA/US@EPA, friedman.beth@ecrweb.com, Darcie Smith/RTP/USEPA/US@EPA, Ted Palma/RTP/USEPA/US@EPA, friedman.beth@ecrweb.com  
 Date: 08/18/2011 10:25 AM  
 Subject: ATSDR report

We had a call with Eramet today on mercury emissions. Eramet indicated there was an ATSDR study (together with R5) indicating mercury emissions from Eramet does not pose any risks (sound familiar?). Do you know anything about it? Do you have a copy of that study? Thanks.



Conrad K. Chin  
Mail Code D243-02  
Metals and Inorganic Chemicals Group  
Sector Policies and Programs Division  
Office of Air Quality Planning and Standards  
U.S. Environmental Protection Agency  
919-541-1512 (voice)  
919-541-3207 (fax)



ATSDR report 

Conrad Chin to: Jeff McKinney

08/18/2011 12:02 PM

Cc: Michelle Colledge, Jaime Wagner, George Bollweg, Chuck French,  
friedman.beth

Hello Jeff,

Thanks for participating in today's call on mercury emissions at Eramet. During the call, you mentioned about an ATSDR study (together with Region 5?) on mercury. Is it possible that you provide more details on that study, such as the title of the study and the year? I am having a hard time in getting a hold of this report without more information. Thanks.

Conrad K. Chin  
Mail Code D243-02  
Metals and Inorganic Chemicals Group  
Sector Policies and Programs Division  
Office of Air Quality Planning and Standards  
U.S. Environmental Protection Agency  
919-541-1512 (voice)  
919-541-3207 (fax)



**Re: Fw: ATSDR report**   
**Conrad Chin** to: Michelle Colledge  
 Cc: Jaime Wagner, George Bollweg

08/18/2011 11:53 AM

History: This message has been replied to.

I don't think Eramet was referring to mercury sampling. They just said that there was an ATSDR study on mercury emissions at Eramet.

Conrad K. Chin  
 Mail Code D243-02  
 Metals and Inorganic Chemicals Group  
 Sector Policies and Programs Division  
 Office of Air Quality Planning and Standards  
 U.S. Environmental Protection Agency  
 919-541-1512 (voice)  
 919-541-3207 (fax)

Michelle Colledge Jaime, I am not aware of any mercury sampling t... 08/18/2011 12:37:38 PM

From: Michelle Colledge/R5/USEPA/US  
 To: Jaime Wagner/R5/USEPA/US@EPA  
 Cc: Conrad Chin/RTP/USEPA/US@EPA, George Bollweg/R5/USEPA/US@EPA  
 Date: 08/18/2011 12:37 PM  
 Subject: Re: Fw: ATSDR report

Jaime,

I am not aware of any mercury sampling that took place in Marietta. My recollection is that it was all TSP metals (regular suite). Ohio doesn't generally opt to do mercury because of the added expense. I \*think\* they must be talking about SFSU. I did a search on our website for "mercury" and "Eramet" and found nothing. I did, however, find this on google:  
<http://www.epa.gov/reg5oair/news/manganesestudymtg.pdf>

Maybe they are confusing the issue? Both of our agencies are mentioned on this fact sheet.

Michelle

Michelle A. Colledge MPH, PhD  
 CDR, U.S. Public Health Service  
 Agency for Toxic Substances and Disease Registry/NCEH/CDC, Region 5  
 77 W. Jackson Blvd., Room 413  
 Mailstop ATSD-4J  
 Chicago, Illinois 60604  
 Tel: 312-886-1462  
 Fax: 312-886-6066

Jaime Wagner Michelle, I'm not sure--is Conrad referring to th... 08/18/2011 11:22:21 AM





Re: Mn research discussion 

Conrad Chin to: Sarah Mazur

Cc: Chuck French, Ted Palma, Michelle Colledge, Jaime Wagner,  
George Bollweg, Darcie Smith, Dave Guinnup

08/29/2011 09:57 AM

Thanks Sarah,

I am copying your email to potential participants for this discussion .

Conrad K. Chin  
Mail Code D243-02  
Metals and Inorganic Chemicals Group  
Sector Policies and Programs Division  
Office of Air Quality Planning and Standards  
U.S. Environmental Protection Agency  
919-541-1512 (voice)  
919-541-3207 (fax)

Sarah Mazur

Hi Chuck, I just talked to Conrad about the idea...

08/29/2011 10:52:49 AM

From: Sarah Mazur/DC/USEPA/US  
To: Chuck French/RTP/USEPA/US@EPA  
Cc: Conrad Chin/RTP/USEPA/US@EPA, Ted Palma/RTP/USEPA/US@EPA  
Date: 08/29/2011 10:52 AM  
Subject: Mn research discussion

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Hi Chuck,

I just talked to Conrad about the idea of having a presentation/discussion on the Mn research that ORD has been involved in (i.e., Marietta RARE study, MMT fuel/fuel additive research) that we discussed last week. Instead of trying to set something up this week, his preference is to have this discussion after FAR. I am fine waiting; the main value I see in a discussion is in thinking about responding to comments from industry that may cite this work.

Thanks,  
Sarah

Sarah L. Mazur  
Air Team, Office of Science Policy  
USEPA Office of Research and Development  
Ph: 202-564-2678, Fax: 202-565-2911



Re: Fwd: Heritage-WTI, Inc., East Liverpool, Ohio

Charles Hall to: Michelle Colledge

09/27/2011 08:21 AM

Cc: Rosemarie Bowler, Danelle Lobdell, "Fasko, Ed", George Bollweg,  
rosemarie.bowler

I have attached the FOV that EPA issued on June 18, 2010, the Amended Administrative Penalty Order that we filed on June 20, 2011, and the Consent Agreement and Final Order (CAFO) that we filed on June 30, 2011. In the CAFO, Heritage-WTI agreed to pay a \$50,100 civil penalty and to conduct a household hazardous waste (HHW) collection supplemental environmental project (SEP) with a value of \$53,000. WTI paid the penalty on July 25, 2011. I do not know the date for which WTI has scheduled the HHW collection SEP.

Charlie Hall  
312/353-3443

[attachment "FOV100618.pdf" deleted by Michelle Colledge/R5/USEPA/US] [attachment "APO20110620.pdf" deleted by Michelle Colledge/R5/USEPA/US] [attachment "CAFO20110630.pdf" deleted by Michelle Colledge/R5/USEPA/US]

Protecting the environment is everyone's responsibility. Help EPA fight pollution by reporting possible harmful environmental activity. To do so, visit EPA's website at <http://www.epa.gov/compliance/complaints/index.html>.

Michelle Colledge    Charlie-have you published a foiable NOV from I...    09/26/2011 02:40:51 PM

From: Michelle Colledge/R5/USEPA/US  
To: Rosemarie Bowler <rbowl@sfsu.edu>, Charles Hall/R5/USEPA/US@EPA  
Cc: Danelle Lobdell/RTP/USEPA/US@EPA, "Fasko, Ed" <Ed.Fasko@epa.state.oh.us>, George Bollweg/R5/USEPA/US@EPA, rosemarie.bowler@gmail.com  
Date: 09/26/2011 02:40 PM  
Subject: Re: Fwd: Heritage-WTI, Inc., East Liverpool, Ohio

Charlie-have you published a foiable NOV from last year ?? I believe I have the 2003 document.

Michelle A. Colledge MPH, PhD  
CDR, U.S. Public Health Service  
Agency for Toxic Substances and Disease Registry/NCEH/CDC, Region 5  
77 W. Jackson Blvd., Room 413  
Mailstop ATSD-4J  
Chicago, Illinois 60604  
Tel: 312-886-1462  
Fax: 312-886-6066

Rosemarie Bowler    Hi All, thank you Michelle for giving me the nam...    09/26/2011 02:34:09 PM

From: Rosemarie Bowler <rbowl@sfsu.edu>  
To: Michelle Colledge/R5/USEPA/US@EPA, George Bollweg/R5/USEPA/US@EPA, Danelle Lobdell/RTP/USEPA/US@EPA  
Cc: "Fasko, Ed" <Ed.Fasko@epa.state.oh.us>  
Date: 09/26/2011 02:34 PM  
Subject: Fwd: Heritage-WTI, Inc., East Liverpool, Ohio  
Sent by: (b) (6)



Hi All,

thank you Michelle for giving me the name and telephone no for Mr. Hall. He was very helpful. I asked him to write up what he told me so we cite it and he is suggestion if EPA has this written up we should cite that document. Do any of you have it?

Thanks much. Good we don't have to worry. I can ask Mr. Fasko as well, may be he knows the publication.

Rosemarie

----- Forwarded message -----

From: <[Hall.Charles@epamail.epa.gov](mailto:Hall.Charles@epamail.epa.gov)>

Date: Mon, Sep 26, 2011 at 12:11 PM

Subject: Heritage-WTI, Inc., East Liverpool, Ohio

To: [r Bowl@sfsu.edu](mailto:r Bowl@sfsu.edu)

Cc: [Bollweg.George@epamail.epa.gov](mailto:Bollweg.George@epamail.epa.gov)

Heritage-WTI, Inc., East Liverpool, Ohio, is subject to the emission standards for existing hazardous waste incinerators and other requirements in the National Emission Standards for Hazardous Air Pollutants from Hazardous Waste Combustors (a.k.a. the HWC MACT). The HWC MACT sets forth emission standards for dioxin/furan, mercury, combined emissions of cadmium and lead, combined emissions of arsenic, beryllium, and chromium, carbon monoxide or total hydrocarbon, combined emissions of hydrogen chloride and chlorine gas, and particulate matter. The HWC MACT also sets forth a destruction and removal efficiency (DRE) standard. The applicable DRE standard for WTI is 99.99%. During a 2003 performance test, WTI demonstrated that the DRE of the most difficult to combust compound in the wastes that WTI burns. The HWC MACT does not require WTI - or any other hazardous waste combustor - to re-demonstrate compliance with the DRE standard. However, EPA may require a DRE test under Section 114 of the Clean Air Act.

The HWC MACT does not set a specific emission standard for polychlorinated biphenyls (PCBs). EPA believes that the DRE standard is sufficient to control PCB emissions from hazardous waste incinerators. The HWC MACT does include a dioxin/furan emission standard. Furans are a product of incomplete combustion of PCBs.



If you find the same information in an EPA publication, I would prefer that you cite it instead of this e-mail.

Charlie Hall  
Environmental Engineer  
[312/353-3443](tel:3123533443)

Protecting the environment is everyone's responsibility. Help EPA fight pollution by reporting possible harmful environmental activity. To do so, visit EPA's website at  
<http://www.epa.gov/compliance/complaints/index.html>.

--

Rosemarie M. Bowler, Ph.D., M.P.H.,  
San Francisco State University  
Licensed Psychologist & Qualified Medical Evaluator  
8371 Kent Drive, El Cerrito, CA 94530  
Tel 510.236.5599 - [rbowl@sfsu.edu](mailto:rbowl@sfsu.edu)



Fwd: Heritage-WTI, Inc., East Liverpool, Ohio  
Rosemarie Bowler to: Michelle Colledge, George Bollweg,  
Danelle Lobdell

09/26/2011 02:34 PM

Sent by: (b) (6)  
Cc: "Fasko, Ed"

History: This message has been replied to.

Hi All,

thank you Michelle for giving me the name and telephone no for Mr. Hall. He was very helpful. I asked him to write up what he told me so we cite it and he is suggestion if EPA has this written up we should cite that document. Do any of you have it?

Thanks much. Good we don't have to worry. I can ask Mr. Fasko as well, may be he knows the publication.

Rosemarie

----- Forwarded message -----

From: <Hall.Charles@epamail.epa.gov>  
Date: Mon, Sep 26, 2011 at 12:11 PM  
Subject: Heritage-WTI, Inc., East Liverpool, Ohio  
To: rbowl@sfsu.edu  
Cc: Bollweg.George@epamail.epa.gov

Heritage-WTI, Inc., East Liverpool, Ohio, is subject to the emission standards for existing hazardous waste incinerators and other requirements in the National Emission Standards for Hazardous Air Pollutants from Hazardous Waste Combustors (a.k.a. the HWC MACT). The HWC MACT sets forth emission standards for dioxin/furan, mercury, combined emissions of cadmium and lead, combined emissions of arsenic, beryllium, and chromium, carbon monoxide or total hydrocarbon,

combined  
emissions of hydrogen chloride and chlorine gas, and particulate  
matter.

The HWC MACT also sets forth a destruction and removal  
efficiency (DRE)

standard. The applicable DRE standard for WTI is 99.99%.

During a 2003

performance test, WTI demonstrated that the DRE of the most  
difficult to

combust compound in the wastes that WTI burns. The HWC  
MACT does not

require WTI - or any other hazardous waste combustor - to  
re-demonstrate

compliance with the DRE standard. However, EPA may require a  
DRE test

under Section 114 of the Clean Air Act.

The HWC MACT does not set a specific emission standard for  
polychlorinated biphenyls (PCBs). EPA believes that the DRE  
standard is

sufficient to control PCB emissions from hazardous waste  
incinerators.

The HWC MACT does include a dioxin/furan emission standard.

Furans are

a product of incomplete combustion of PCBs.

If you find the same information in an EPA publication, I would  
prefer

that you cite it instead of this e-mail.

Charlie Hall

Environmental Engineer

312/353-3443

Protecting the environment is everyone's responsibility. Help EPA  
fight

pollution by reporting possible harmful environmental activity. To  
do

so, visit EPA's website at

<http://www.epa.gov/compliance/complaints/index.html>.





Re: Fw: SAT Screening Reports - November 9, 2011 

Motria Caudill to: Michelle Colledge

Cc: Jaime Wagner, Marta Fuoco

This message is digitally signed.

11/15/2011 08:15 AM

Hi Michelle - Ohio recently sent the first batch of PM2.5/PM10/TSP filters to ERG for analysis. We haven't received hourly Xact data yet either. Soon! Per your other email, there are no ultrafine samples collected.

Michelle Colledge Motria- Do you have metals data from E. Liverpo... 11/14/2011 03:25:21 PM

From: Michelle Colledge/R5/USEPA/US  
To: Motria Caudill/R5/USEPA/US@EPA  
Cc: Jaime Wagner/R5/USEPA/US@EPA  
Date: 11/14/2011 03:25 PM  
Subject: Fw: SAT Screening Reports - November 9, 2011

Motria-

Do you have metals data from E. Liverpool (continuous metals, PM 2.5/10). Would love to see a time series from this summer. Just going through emails and see data from the summer from Phil (I was out after Tuesday of last week until today) and saw Jaime's email about the high levels..

Thanks!

Michelle A. Colledge MPH, PhD  
CDR, U.S. Public Health Service  
Agency for Toxic Substances and Disease Registry/NCEH/CDC, Region 5  
77 W. Jackson Blvd., Room 413  
Mailstop ATSD-4J  
Chicago, Illinois 60604  
Tel: 312-886-1462  
Fax: 312-886-6066

----- Forwarded by Michelle Colledge/R5/USEPA/US on 11/14/2011 03:23 PM -----

From: Jaime Wagner/R5/USEPA/US  
To: Michelle Colledge/R5/USEPA/US@EPA  
Date: 11/10/2011 02:30 PM  
Subject: Fw: SAT Screening Reports - November 9, 2011

I meant to cc you this....oops!

----- Forwarded by Jaime Wagner/R5/USEPA/US on 11/10/2011 02:29 PM -----

From: Jaime Wagner/R5/USEPA/US  
To: paul.koval@epa.state.oh.us, diane.mcclure@epa.state.oh.us, gary.engler@epa.state.oh.us, randy.hock@epa.state.oh.us, phil.downey@epa.state.oh.us, "Princic, Bob" <bob.princic@epa.state.oh.us>  
Cc: Motria Caudill/R5/USEPA/US@EPA, Marta Fuoco/R5/USEPA/US@EPA, JenniferL Williams/R5/USEPA/US@EPA, Margaret Sieffert/R5/USEPA/US@EPA  
Date: 11/10/2011 12:58 PM  
Subject: Fw: SAT Screening Reports - November 9, 2011

Hello all,

We just received the most recent screening report for the SAT schools, and I was shocked when I saw the

manganese values at the East Liverpool Water Plant monitors. This data is only through the end of July, but so far the running averages are approximately 7 times the RfC for PM10 and 18 times for TSP. The highest day was July 14, with a PM10 value of 985 ng/m3 and a TSP value of 2510 ng/m3.

I thought you might be interested in taking a look. It might be worth sharing this with your Enforcement folks as well...clearly, something crazy was on going on at S.H. Bell this summer. I don't have an OEPA Enforcement contact, so feel free to forward it along to whomever might be interested. If anyone knows what might've been the cause of these values, Region 5 would love to know.

I'll be sharing this with our Enforcement folks, too, just so they're aware. Please note, this data is available in AQS but isn't public yet.

Thanks,  
Jaime

--- Forwarded by Jaime Wagner/R5/USEPA/US on 11/10/2011 12:48 PM ---

From: Angie Shatas/RTP/USEPA/US  
Date: 11/10/2011 10:10 AM  
Subject: SAT Screening Reports - November 9, 2011

---

Screening reports for SAT sites (in Regions 3, 4, 5, and 10) are enclosed. This data is in AQS but has not yet been made public.

The Screening Report Summary contains:  
Part I: Individual Samples Above Screening Level  
Part II: Average Values Above Long-Term Comparison Levels  
Part III: Average Values Above Surrogate Long-Term Comparison Levels

The Screening Report displays all sample measurements and flags any above EPA screening levels.

[attachment "ScreeningReportSummary09Nov2011.pdf" deleted by Michelle Colledge/R5/USEPA/US]

The Screening Report displays all sample measurements and flags any above EPA screening levels.

[attachment "ScreeningReport09Nov2011.pdf" deleted by Michelle Colledge/R5/USEPA/US]

Angie Shatas  
US EPA  
919-541-5454  
shatas.angie@epa.gov

From: Wagner.Jaime@epamail.epa.gov [mailto:Wagner.Jaime@epamail.epa.gov]  
Sent: Tuesday, October 25, 2011 9:52 AM  
To: Bollweg.George@epamail.epa.gov;  
Colledge.Michelle@epamail.epa.gov;  
paul.koval@epa.state.oh.us; Greg Stein;  
Erin.Strouse@epa.state.oh.us  
Cc: Trine.Rae@epamail.epa.gov;  
Nash.Carlton@epamail.epa.gov;  
Sieffert.Margaret@epamail.epa.gov  
Subject: Possible meeting venues in Marietta, OH?

Hello all,

As you may know, the residual risk rule for the ferroalloys sector is anticipated to be proposed by the end of October. OAQPS has been made aware that Marietta, Ohio has an active community group that may request a public meeting on this rule. In order to get a jump on planning that meeting, OAQPS has asked if we have any information about possible venues in the Marietta area. I know there have been several public meetings in the area over the years, and I was hoping some of you might have some suggestions and/or contact info for various venues. Ideally, OAQPS would like a venue that is free (or low-cost) and can hold approximately 350 people (this size would nearly ensure that they wouldn't have to turn anyone away). It's a big request, I know, but any information you can provide would be greatly appreciated. If there is someone else that you think might have some ideas, please pass this on to them as well.

Thanks! I look forward to hearing from you!

Jaime

Jaime Julian Wagner  
U.S. EPA Region 5  
(312) 886-9402





**Possible meeting venues in Marietta , OH?**

**Jaime Wagner**

to: George Bollweg, Michelle Colledge,  
paul.koval, Greg.Stein, Erin.Strouse

10/25/2011 08:51 AM

Cc: Rae Trine, Carlton Nash, Margaret Sieffert

This message is digitally signed.

History:

This message has been replied to.

Hello all,

As you may know, the residual risk rule for the ferroalloys sector is anticipated to be proposed by the end of October. OAQPS has been made aware that Marietta, Ohio has an active community group that may request a public meeting on this rule. In order to get a jump on planning that meeting, OAQPS has asked if we have any information about possible venues in the Marietta area. I know there have been several public meetings in the area over the years, and I was hoping some of you might have some suggestions and/or contact info for various venues. Ideally, OAQPS would like a venue that is free (or low-cost) and can hold approximately 350 people (this size would nearly ensure that they wouldn't have to turn anyone away). It's a big request, I know, but any information you can provide would be greatly appreciated. If there is someone else that you think might have some ideas, please pass this on to them as well.

Thanks! I look forward to hearing from you!

Jaime

Jaime Julian Wagner  
U.S. EPA Region 5  
(312) 886-9402



Re: Fw: S.H. Bell Data  
Jaime Wagner to: Michelle Colledge

11/16/2011 08:29 AM

Works for me!

-----Michelle Colledge/R5/USEPA/US wrote: -----

To: ed.fasko@epa.state.oh.us, Paul.Koval@epa.state.oh.us,  
phil.downey@epa.state.oh.us, "Hock, Randy"  
<Randy.Hock@epa.state.oh.us>, "Kalman, Tom"  
<Tom.Kalman@epa.state.oh.us>, "McClure, Diane"  
<Diane.McClure@epa.state.oh.us>, "Smith, Rick"  
<Rick.Smith@epa.state.oh.us>, "Koletich, Misty"  
<Misty.Koletich@epa.state.oh.us>, Jaime  
Wagner/R5/USEPA/US@EPA, Motria Caudill/R5/USEPA/US@EPA,  
Bob.Frey@odh.ohio.gov, greg.stein@odh.ohio.gov  
From: Michelle Colledge/R5/USEPA/US  
Date: 11/15/2011 02:45PM  
Subject: Fw: S.H. Bell Data

NOVEMBER 28TH!!!! Sorry!

Michelle A. Colledge MPH, PhD  
CDR, U.S. Public Health Service  
Agency for Toxic Substances and Disease Registry/NCEH/CDC,  
Region 5  
77 W. Jackson Blvd., Room 413  
Mailstop ATSD-4J  
Chicago, Illinois 60604  
Tel: 312-886-1462  
Fax: 312-886-6066

----- Forwarded by Michelle Colledge/R5/USEPA/US on 11/15/2011  
03:45 PM -----

From: Michelle Colledge/R5/USEPA/US  
To: ed.fasko@epa.state.oh.us, Paul.Koval@epa.state.oh.us,  
phil.downey@epa.state.oh.us, "Hock, Randy"  
<Randy.Hock@epa.state.oh.us>, "Kalman, Tom"  
<Tom.Kalman@epa.state.oh.us>, "McClure, Diane"  
<Diane.McClure@epa.state.oh.us>, "Smith, Rick"  
<Rick.Smith@epa.state.oh.us>, "Koletich, Misty"  
<Misty.Koletich@epa.state.oh.us>  
Cc: Jaime Wagner/R5/USEPA/US@EPA, Motria  
Caudill/R5/USEPA/US@EPA, Bob.Frey@odh.ohio.gov,  
greg.stein@odh.ohio.gov  
Date: 11/15/2011 03:29 PM  
Subject: S.H. Bell Data

---

All:

Here's a time series of the data from all the E. Liverpool sites. Looks like





**Fw: SAT Screening Reports - November 9, 2011**

**Jaime Wagner** to: Michelle Colledge

11/21/2011 08:32 AM

Hi Michelle,

I didn't check my voicemail at all when I was traveling last week ...oops! With these new phones, I couldn't tell when you called me and left that message about the SH Bell data. I'm re-forwarding the attached data summaries in case they didn't make it through the first time. I'm also including a little table I made for management so they didn't have to comb through all the data to find what I was referring to (concentrations in ug/m3 rather than nanograms).

I'm in today, so if you want to spend part of your holiday vacation talking to me, feel free to give me a call; otherwise, we can talk next week (I'm out the rest of this week).

Hope you're having an awesome time in sunny Florida!

Date	28-Jun	2-Jul	8-Jul	14-Jul	20-Jul	26-Jul	Running Average	Hazard Quotient
PM10	0.0107	0.262	0.334	0.985	0.276	0.152	0.336616667	6.732333333
TSP	0.0431	0.56	0.778	2.51	0.967	0.552	0.901683333	18.03366667

Jaime

----- Forwarded by Jaime Wagner/R5/USEPA/US on 11/21/2011 08:05 AM -----

From: Jaime Wagner/R5/USEPA/US  
 To: Michelle Colledge/R5/USEPA/US@EPA  
 Date: 11/10/2011 02:30 PM  
 Subject: Fw: SAT Screening Reports - November 9, 2011

I meant to cc you this....oops!

----- Forwarded by Jaime Wagner/R5/USEPA/US on 11/10/2011 02:29 PM -----

From: Jaime Wagner/R5/USEPA/US  
 To: paul.koval@epa.state.oh.us, diane.mcclure@epa.state.oh.us, gary.engler@epa.state.oh.us, randy.hock@epa.state.oh.us, phil.downey@epa.state.oh.us, "Princic, Bob" <bob.princic@epa.state.oh.us>  
 Cc: Motria Caudill/R5/USEPA/US@EPA, Marta Fuoco/R5/USEPA/US@EPA, JenniferL Williams/R5/USEPA/US@EPA, Margaret Sieffert/R5/USEPA/US@EPA  
 Date: 11/10/2011 12:58 PM  
 Subject: Fw: SAT Screening Reports - November 9, 2011

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I'll be sharing this with our Enforcement folks, too, just so they're aware. Please note, this data is available in AQS but isn't public yet.

Thanks,  
Jaime

— Forwarded by Jaime Wagner/R5/USEPA/US on 11/10/2011 12:48 PM —

From: Angie Shatas/RTP/USEPA/US  
Date: 11/10/2011 10:10 AM  
Subject: SAT Screening Reports - November 9, 2011

---

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[attachment "ScreeningReportSummary09Nov2011.pdf" deleted by Michelle Colledge/R5/USEPA/US]

The Screening Report displays all sample measurements and flags any above EPA screening levels.

[attachment "ScreeningReport09Nov2011.pdf" deleted by Michelle Colledge/R5/USEPA/US]

Angie Shatas  
US EPA  
919-541-5454  
shatas.angie@epa.gov



**Re: Reminder and Agenda : Exposure assessment for SFSU - Note about air monitor probe height**

**Motria Caudill** to: Danelle Lobdell

12/06/2011 12:33 PM

Michelle Colledge, cheryl.beseler, George Bollweg, Jaime Wagner,

Cc: John.Kollman, Laurie.Billing, Mark Johnson, roelsharry, Ronald

Williams, rosemarie.bowler, rpl5, "Woghiren, Efomo L.

This message is digitally signed.

History: This message has been replied to.

On a related note: I just checked the air monitoring database to find out the probe inlet height on the East Liverpool PM/metals samplers.

Consistent with EPA's siting criteria, the Water Plant site (#0020) is on a ground-level platform with sampler inlet at 2 meters above ground; the Port Authority (#0019) is also at 2m; East Elementary (#0022) was a rooftop placement at 6 meters above ground. These elevations pertain to Ohio's long-term sampler locations; the short-term EPA School Air Toxics instruments were most likely at similar heights (at East Elem. and Water Plant) but this is not specified in our database and Ohio would have to confirm. In any case, the requirement is to be in people's "breathing zone" which is generally between 2-15m.

~~~~~  
 Motria P. Caudill, Ph.D.  
 Air Monitoring & Analysis Section  
 USEPA Region 5 (AT-18J)  
 77 W. Jackson Blvd.  
 Chicago, IL 60604  
 telephone (312) 886-0267  
 direct fax (312) 582-5863  
 ~~~~~

Danelle Lobdell

I was able to get crude elevations for East Liverp...

12/06/2011 10:43:02 AM

From: Danelle Lobdell/RTP/USEPA/US  
 To: Michelle Colledge/R5/USEPA/US@EPA  
 Cc: cheryl.beseler@colostate.edu, George Bollweg/R5/USEPA/US@EPA, Jaime Wagner/R5/USEPA/US@EPA, John.Kollman@odh.ohio.gov, Laurie.Billing@odh.ohio.gov, Mark Johnson/R5/USEPA/US@EPA, Motria Caudill/R5/USEPA/US@EPA, roelsharry@telenet.be, Ronald Williams/RTP/USEPA/US@EPA, rosemarie.bowler@gmail.com, rpl5@cdc.gov, "Woghiren, Efomo L. (ATSDR/DHS/GIS) (CTR)" <iij8@cdc.gov>, Vlad Isakov/RTP/USEPA/US@EPA  
 Date: 12/06/2011 10:43 AM  
 Subject: Re: Reminder and Agenda: Exposure assessment for SFSU E. Liverpool Health Study: 866.836.3164 code: 177275#

I was able to get crude elevations for East Liverpool from here: <http://geology.com/topo-maps/>

Ranges around 1000 to 1200.

Danelle



**Danelle T. Lobdell, Ph.D., M.S.**

National Health and Environmental Effects Research Laboratory  
 Environmental Public Health Division

Mail:

USEPA  
MD 58A  
Research Triangle Park, NC 27711  
**Package Delivery:**  
USEPA Human Studies Facility  
104 Mason Farm Rd, Room 52  
Chapel Hill, NC 27514-4512  
Phone: 919-843-4434 Fax: 919-966-7584

Michelle Colledge

All: Please take a look at the attached map for o...

12/05/2011 05:34:04 PM





**Re: East Liverpool follow-up question - October PM 10 Partisol ETV data**

**Motria Caudill** to: Jaime Wagner, Chad McEvoy, Bilal Qazzaz,  
Loretta Lehrman

12/14/2011 09:47 AM

Cc: JenniferL Williams, Michelle Colledge, Diane.McClure, ed.fasko,  
Paul.Koval, phil.downey, Randy.Hock, Rick.Smith

History:

This message has been replied to.

We have the first month (October) of daily PM10 metals data for the water plant site; these daily samples collected on the Partisol sampler are meant for comparison with hourly Xact measurements as part of the ETV testing. Note that there are still some high Mn values.

I added the new PM10-Mn data to the spreadsheet, attached. Note that September data for PM2.5/PM10/TSP were not yet received from ERG. Eventually we will have 1-in-6-day PM2.5/PM10/TSP and daily PM10 metals data for the months of October and November. Xact data are still under review.

None of these data are in AQS yet and so are not public information. Please do not distribute outside USEPA/OEPA.

-----Jaime Wagner/R5/USEPA/US wrote: -----  
To: Diane.McClure@epa.state.oh.us,  
ed.fasko@epa.state.oh.us, Paul.Koval@epa.state.oh.us,  
phil.downey@epa.state.oh.us,  
Randy.Hock@epa.state.oh.us,  
Rick.Smith@epa.state.oh.us  
From: Jaime Wagner/R5/USEPA/US  
Date: 12/14/2011 08:30AM  
Cc: Michelle Colledge/R5/USEPA/US@EPA, Motria  
Caudill/R5/USEPA/US@EPA, JenniferL  
Williams/R5/USEPA/US@EPA  
Subject: East Liverpool follow-up question

Hello, Ohio folks:

I shared the East Liverpool monitoring data with our Enforcement branch, and yesterday one of the inspectors contacted me to ask what status is. I told him about our call a couple weeks ago and mentioned that we'd had a discussion about getting the production data from S.H. Bell. He was interested in seeing the data and was curious if anyone was planning to inspect the company. I told him I'd check in to see if you'd received anything from the company or if you'd heard anything else from them.

Any information you can provide would be appreciated!

Thanks so much,  
Jaime



**East Liverpool follow-up question**

**Jaime Wagner** to: Diane.McClure, ed.fasko, Paul.Koval,  
phil.downey, Randy.Hock, Rick.Smith

12/14/2011 08:30 AM

Cc: Michelle Colledge, Motria Caudill, JenniferL Williams  
This message is digitally signed.

Hello, Ohio folks:

I shared the East Liverpool monitoring data with our Enforcement branch, and yesterday one of the inspectors contacted me to ask what status is. I told him about our call a couple weeks ago and mentioned that we'd had a discussion about getting the production data from S.H. Bell. He was interested in seeing the data and was curious if anyone was planning to inspect the company. I told him I'd check in to see if you'd received anything from the company or if you'd heard anything else from them.

Any information you can provide would be appreciated!

Thanks so much,  
Jaime



**Fw: WTI update -- fire over the weekend , one death and one injury . OSHA investigating .**

**Jaime Wagner** to: Margaret Sieffert, Rae Trine, Michelle Colledge

12/20/2011 07:33 AM

This message is digitally signed.

History: This message has been forwarded.

You've probably already heard about this, but in case you hadn't....

----- Forwarded by Jaime Wagner/R5/USEPA/US on 12/20/2011 07:33 AM -----

From: Carlton Nash/R5/USEPA/US  
To: Jaime Wagner/R5/USEPA/US@EPA  
Date: 12/19/2011 08:47 PM  
Subject: Fw: WTI update -- fire over the weekend , one death and one injury . OSHA investigating.

----- Forwarded by Carlton Nash/R5/USEPA/US on 12/19/2011 08:46PM -----

To: George Czerniak/R5/USEPA/US@EPA, William Macdowell/R5/USEPA/US@EPA, Tyson.Marypat@epa.gov, Carlton Nash/R5/USEPA/US@EPA  
From: Cheryl Newton/R5/USEPA/US  
Date: 12/19/2011 01:37PM  
Subject: Fw: WTI update -- fire over the weekend , one death and one injury . OSHA investigating.

----- Forwarded by Cheryl Newton/R5/USEPA/US on 12/19/2011 01:36 PM -----

From: Phillippa Cannon/R5/USEPA/US  
To: Susan Hedman/R5/USEPA/US@EPA, Bharat Mathur/R5/USEPA/US@EPA, Margaret Guerriero/R5/USEPA/US@EPA, Michael Harris/R5/USEPA/US@EPA, Cheryl Newton/R5/USEPA/US, Bruce Sypniewski/R5/USEPA/US@EPA, Joshua Singer/R5/USEPA/US@EPA, Anne Rowan/R5/USEPA/US@EPA, Elissa Speizman/R5/USEPA/US@EPA  
Date: 12/19/2011 01:23 PM  
Subject: Fw: WTI update -- fire over the weekend , one death and one injury . OSHA investigating.

----- Forwarded by Phillippa Cannon/R5/USEPA/US on 12/19/2011 01:22 PM -----

From: "Settles, Mike" <mike.settles@epa.state.oh.us>  
To: Phillippa Cannon/R5/USEPA/US@EPA  
Date: 12/19/2011 12:33 PM  
Subject: FW: WTI update

FYI, in case you haven't heard. One death and one injury at WTI over the weekend . Details below.

**From:** Tarka, Michelle  
**Sent:** Monday, December 19, 2011 11:55 AM



**To:** Weiss, Kristopher; Settles, Mike; McCarron, Mary  
**Cc:** Popotnik, Frank; Oryshkewych, Natalie  
**Subject:** RE: WTI update

There are 32 drums on-site (not 40 as previously reported). They are currently being moved to the North Storage Area and will be placed on pallets on an open flatbed, in the center, with aisle space all around to allow for inspection. This is the safest location and manner to maintain these containers (in an open area, not under roof or canopy, cooler than warehouse due to outside temperatures).

The containers will remain on-site until the investigation is complete, then the containers will be rejected back to the customer.

WTI has indicated they may request longer than 15 days to submit a contingency activation report due to the length of time this investigation may take.

OSHA investigators are still on-site. I will continue to keep you informed.

---

**From:** Tarka, Michelle  
**Sent:** Monday, December 19, 2011 8:14 AM  
**To:** Weiss, Kristopher; Settles, Mike; McCarron, Mary  
**Cc:** Popotnik, Frank; Oryshkewych, Natalie  
**Subject:** WTI employee has passed away

I am so sorry to have to report this. The WTI employee who was most seriously injured in the incident passed away last night. He was burned over ~75% of his body. He was 55 years old and leaves a wife and family. An obituary has not been posted as of yet. I have requested to be informed of any services/arrangements and will attend if possible. The other employee was burned about 20% of his body and is doing ok. He is in a hospital in Pittsburgh.

The waste is metal fines under oil. A 55 gallon drum with fines is covered with oil and then placed inside an 85 gallon overpack with additional oil surrounding the drum. WTI has been receiving this waste since 2006. There have been no prior incidents with this waste. The waste flashed while the 2 men were splitting the waste into smaller charge sizes. Several nearby drums containing cutting oil and vermiculite (poured off from the original container and overpack) were nearby and caught fire. Empty fiber drums and splitting materials were also involved in the fire. The fire suppression system put the fire out quickly.

There are 40 additional containers of this waste shipment on-site. Earlier in the week, 7 containers from this same shipment were split without any incident. We (the agency) have agreed with WTI's suggestion to remove these containers from the Warehouse of the Container Processing Building and place them on pallets outside in the East and North Storage Areas as a safety precaution. Most likely, these containers will be rejected back to the generator.

At this time, WTI has also suspended all splitting activities. WTI is incinerating liquids



(bulk or through the Direct Drum Pumpout) and containers that can be sent direct to kiln (no splitting), and bulk.

OSHA will be on-site today for an investigation.

I will keep everyone informed.

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**From:** Tarka, Michelle  
**Sent:** Monday, December 19, 2011 6:51 AM  
**To:** Weiss, Kristopher; Settles, Mike  
**Cc:** Popotnik, Frank  
**Subject:** WTI in Review, same in Journal

## **Heritage-WTI employees injured**

**December 18, 2011**

By NANCY TULLIS - Staff Writer , The Review

EAST LIVERPOOL -

Two Heritage-WTI employees were injured in a fire Saturday afternoon and taken to a Pittsburgh area hospital.

Raymond J. Wayne, media relations representative for Heritage-WTI, said in a press release Saturday evening that a container of hazardous waste reacted shortly after 1 p.m. in the area of the plant where waste from a large container is split into several smaller ones. The reaction caused a fire that engaged several other containers nearby.

Wayne said the plant's on-site emergency response team and automated fire-suppression system engaged to extinguish the containers. The East Liverpool Fire Department responded also. Firefighters said they responded around 1:15 p.m., and were at the plant about 90 minutes. According to the Heritage-WTI press release, the two employees working in the area were injured and taken by ambulance to East Liverpool City Hospital.

They were transferred to a hospital in Pittsburgh for further treatment. Their families were notified and are with them. The incident led to temporary suspension of processing solid wastes. Liquid-waste operations were not suspended, Wayne said. The cause of the incident is being investigated.

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